

**COMPLETE SAMPLE DELIVERY GROUP FILE (CSF)
EVIDENCE AUDIT CHECKLIST
U.S. Environmental Protection Agency - Region 8
Environmental Services Division, Multi-Media Branch
Analytical Operations Section**

Audit Number: 08-07-08
Date CSF Received: 11/30/07
Received By: Carol Beard
Date of Audit: 12/7/07
Audited By: Carol Beard
Resubmitted CSF? Yes ☐ No ☐
Lab Name: A-4 Scientific, Inc.
Lab Location: The Woodlands, TX

Site Name: Richardson Flat Tack
Site Manager: Kathryn Hernandez
RAS Number: 36948
ULSA Number:
SDG Number: MH24A1
Number of Samples: 20/45
CLP Lab Code: A-4

AUDIT CHECKLIST

CHAIN OF CUSTODY

- | | |
|---|---|
| 1. Custody Seal Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2. Condition of Seal? Intact <input checked="" type="checkbox"/> Signed <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Unsigned <input type="checkbox"/> | |
| 3. Chain of Custody Record(s) Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 4. Chain of Custody Record(s) Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 5. Chain of Custody Record(s) Dated? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 6. Traffic Report(s) or Packing List(s) Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 7. Traffic Report(s) or Packing List(s) Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 8. Airbill Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 9. Airbill Number(s): <u>863198575033</u> | |
| 10. Airbill Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 11. Airbill Dated? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 12. Sample Tags Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 13. Should Sample Tags be Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

AUDIT NUMBER: 08-07-08

FORM DC-2

14. Form DC-2 Present?
15. Numbering Scheme on Form DC-2 Correct?
16. Enclosed Documents Listed?
17. Listed Documents Enclosed?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

FORM DC-1

18. Form DC-1 Present?
19. Form DC-1 Complete?
20. Form DC-1 Correct?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

DOCUMENT CONTROL

21. Laboratory Documents Complete?
22. Laboratory Documents Legible?
23. Original Documents Included in CSF?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

DATA INSPECTION

4. Form I's present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
5. Forms 2 through 8 (VOC & SVOC), Forms 2 through 10 (Pesticides), Forms 2 through 14 (Metals & Cyanide) present?
5. Raw data present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
Percent Solids Form present for soil samples?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

NOTE: If items 1, 3, 4, 6, 7, 8, 12, 14, 18, or 22 are missing, corrective action measures must be taken by the CSF auditor and summarized below.

AUDIT NUMBER:

08-07-08

COMMENTS AND NOTES:

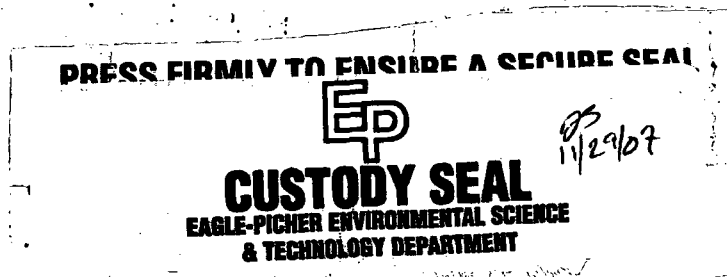
Cain Bmp 12/7/07

Auditor

Date

EPA OFFICIAL SEALS PAGE

Please attach all custody seals below:



AUDIT NUMBER: 08-07-08

EPA CLP ELECTRONIC DISKETTE(S)

CASE #: 36948 SDG #: MH24A1

SITE NAME: Richardson Flat Tailings

RPM: Kathryn Hernandez

DATE: 12/7/07

AUDITOR: Cain Blamp

Audit # 08-07-08
RAS # 36948
SDG - MH24A1
Site - Richardson Flat Tailings
RPM - Kathryn Hernandez
Date - 12/7/07
LAB - A-4

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME <u>A4 SCIENTIFIC, INC.</u>	
CITY/STATE <u>THE WOODLANDS, TX</u>	
CASE NO. <u>36948</u>	SDG NO. <u>MH24A1</u>
SDG NOS. TO FOLLOW <u>NA</u>	
NRAS NO. <u>NA</u>	
CONTRACT NO. <u>EPWD5057</u>	
SOW NO. <u>ILMD5.4</u>	

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

	PAGE NOS.		CHECK	
	FROM	TO	LAB	REGION
1. Cover Page	<u>1</u>	<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2. SDG Narrative	<u>3</u>	<u>4</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. Sample Log-In Sheet (DC-1)	<u>5</u>	<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Inventory Sheet (DC-2))	<u>7</u>	<u>8</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5. Traffic Report/Chain of Custody Record(s)	<u>9</u>	<u>11</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inorganic Analysis				
6. Data Sheet (Form I-IN)	<u>12</u>	<u>31</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7. Initial & Continuing Calibration Verification (Form IIA-IN)	<u>32</u>	<u>39</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8. CRQL Standard (Form IIB-IN)	<u>40</u>	<u>44</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9. Blanks (Form III-IN)	<u>45</u>	<u>49</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10. ICP-AES Interference Check Sample (Form IVA-IN)	<u>50</u>	<u>54</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11. ICP-MS Interference Check Sample (Form IVB-IN)	<u>NA</u>	<u>NA</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12. Matrix Spike Sample Recovery (Form VA-IN)	<u>55</u>	<u>55</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13. Post-Digestion Spike Sample Recovery (Form VB-IN)	<u>56</u>	<u>56</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
14. Duplicates (Form VI-IN)	<u>57</u>	<u>57</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15. Laboratory Control Sample (Form VII-IN)	<u>58</u>	<u>58</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	<u>59</u>	<u>62</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17. Method Detection Limits (Annually) (Form IX-IN)	<u>63</u>	<u>62</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18. ICP-AES Interelement Correction Factors (Quarterly) (Form XA-IN)	<u>64</u>	<u>63</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19. ICP-AES Interelement Correction Factors (Quarterly) (Form XB-IN)	<u>65</u>	<u>64</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20. ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form XI-IN)	<u>65</u>	<u>65</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
21. Preparation Log (Form XII-IN)	<u>66</u>	<u>66</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
22. Analysis Run Log (Form XIII-IN)	<u>67</u>	<u>70</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

7/14/07

	PAGE NOS.		CHECK	REGION
	FROM	TO		
23. ICP-MS Tune (Form XIV-IN)	NA	NA	✓	—
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	↓	↓	✓	✓
25. ICP-AES Raw Data	71	640	✓	✓
26. GFAA Raw Data (If Applicable)	NA	NA	✓	—
27. ICP-MS Raw Data	↓	↓	✓	—
28. Mercury Raw Data	↓	↓	✓	—
29. Cyanide Raw Data	↓	↓	✓	—
30. Preparation Logs Raw Data	641	642 696	✓	✓
31. Percent Solids Determination Log	697	698	✓	✓
32. USEPA Shipping/Receiving Documents Airbill (No. of Shipments <u>1</u>)	699	699	✓	✓
Sample Tags	700	706	✓	✓
Sample Log-In Sheet (Lab)	701	708	✓	✓
33. Misc. Shipping/Receiving Records (list all individual records)				
Telephone Logs	NA	NA	✓	—
↓	↓	↓	✓	—
34. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)				
<u>Custody logbook</u>	709	709	✓	✓
<u>NA</u>	NA	NA	✓	—
35. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records <u>Digestion logs</u>	642	643	✓	✓
Analysis Records <u>Run logs</u>	644	653	✓	✓
Description <u>Standard preps</u>	654	696	✓	✓
36. Other Records (describe or list)				
Telephone Communications Log	NA	NA	✓	—
<u>Email</u>	710	716	✓	✓
<u>NA</u>	NA	NA	✓	—

37. Comments: _____

Completed by: Jessica Schulze Jessica Schulze sample Custodian 11/29/07
(CLP Lab) (Signature) (Print Name & Title) (Date)

Audited by: Camille Bear Camille Bear 12/7/07
(USEPA) (Signature) (Print Name & Title) (Date)

USEPA-CLP

COVER PAGE

Lab Name: A4 Scientific, Inc. Contract: EPW06057
Lab Code: A4 Case No: 36948 NRAS No.: _____ SDG No: MH24A1
SOW No.: ILM05.4

EPA Sample No.

Lab Sample ID

MH24A1	0008705-01
MH24A2	0008705-02
MH24A3	0008705-03
MH24A3D	0008705-03D
MH24A3S	0008705-03S
MH24A4	0008705-04
MH24A5	0008705-05
MH24A6	0008705-06
MH24A7	0008705-07
MH24A8	0008705-08
MH24A9	0008705-09
MH24B0	0008705-10
MH24C1	0008705-11
MH24C2	0008705-12
MH24C3	0008705-13
MH24C4	0008705-14
MH24C5	0008705-15
MH24C6	0008705-16
MH24C7	0008705-17
MH24C8	0008705-18

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
If yes, were raw data generated before application of background corrections?	(Yes/No)	<u>NO</u>	<u>NO</u>

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Reddy PakanatiName: REDDY PAKANATIDate: 11/29/07Title: LABORATORY MANAGER000000001

USEPA-CLP

COVER PAGE

Lab Name: A4 Scientific, Inc. Contract: EPW06057
Lab Code: A4 Case No: 36948 NRAS No.: _____ SDG No: MH24A1
SOW No.: ILM05.4

EPA Sample No.

Lab Sample ID

MH24C90008705-19MH24D00008705-20

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
If yes, were raw data generated before application of background corrections?	(Yes/No)	<u>NO</u>	<u>NO</u>

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Reddy PakanatiName: REDDY PAKANATIDate: 11/29/07Title: LABORATORY MANAGER0000000002

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW06057**Case #: 36948****SDG #: MH24A1****SDG NARRATIVE****SAMPLE RECIEPT & LOGIN**

The following samples were received on the dates listed against them. The samples were logged in for analysis as listed.

EPA SAMPLE #	LAB SAMPLE #	DATE/TIME RECEIVED	AIRBILL NO.	ANALYSIS	Total # of Containers Received	REMARKS	MATRIX
MH24A1	0008705-01	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24A2	0008705-02	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24A3	0008705-03	11/9/07 09:43	863198575033	ICP-AES	1	MS/DUP	SOIL
MH24A4	0008705-04	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24A5	0008705-05	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24A6	0008705-06	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24A7	0008705-07	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24A8	0008705-08	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24A9	0008705-09	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24B0	0008705-10	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24C1	0008705-11	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24C2	0008705-12	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24C3	0008705-13	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24C4	0008705-14	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24C5	0008705-15	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24C6	0008705-16	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24C7	0008705-17	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24C8	0008705-18	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24C9	0008705-19	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24D0	0008705-20	11/9/07 09:43	863198575033	ICP-AES	1		SOIL

ICP-AES

Issue: Samples for case 36948 were received on 11/9/2007. TR/COC listed tag numbers do not match physical tag numbers.

Resolution: Per Region 8 Lab recorded the physical sample tag number on form DC-1 and proceeded with analysis of samples.

Issue: For samples received on 11/9, there was no temperature blank in the cooler. The cooler temperatures were determined to be 5 degrees for both coolers received. The following method was used to record cooler temperature. Lab removed ice between two sample containers and placed thermometers between sample containers and let stabilized for several minutes. The thermometer was not allowed to come in contact with any material except sample containers. The temperature of the shipping container was recorded on the TR/COC and form DC-1.

Resolution: Per direction from Region 8, the laboratory, proceed with the analysis of the samples.

Issue: There were no custody seals on any of the coolers.

Resolution: Per Region 8, proceed with the analysis of the samples.

Issue: The lab received 121 samples in 5 coolers. There were 2 samples designated for lab QC in each

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A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW06057

Case #: 36948

SDG #: MH24A1

SDG NARRATIVE

cooler. The lab has a total of 6 SDG, and 10 QC samples designated. Lab confirmed if both designated Lab QC's were to be analyzed or if lab was to select only one per SDG.

Resolution: Per Region 8, the laboratory selected one of the designated samples for laboratory QC per SDG and proceeded with analysis of samples.

Lab selected sample MH23A3 and notified SMO.

Issue: Sample MH24C1 contained 49% solids.

Resolution: Per Region 8, the laboratory has proceeded with the analysis of the sample.

SMO was notified. Directive is enclosed. No other discrepancies of issues were noted during receipt and login.

ICP-AES

Soil Samples were digested by Hot-Block technique (HS2) and analyzed using a Thermo Electron ICAP6500.

MS and DUP were performed on sample "MH24A3". Spike recovery for Be was outside the QC limits. Post digestion spike was performed.

Analytes with Serial Dilution percent difference not within the control limits are flagged with "E" on Form1s and Form8.

The following Samples were analyzed at a dilution for some elements to bring the concentration below the LDRs. The dilutions were made as below:

Sample ID	Dilution	Volume of digestate (ul)	Volume of 2% HNO3 (ul)	Final Volume (ul)
MH24B0	1.4	7,143	2,857	10,000
MH24C7	1.7	5,882	4,118	10,000

The following equations are used for calculation of sample results from raw instrument output data:

ICP-AES

SOIL Samples:

$$\text{Concentration (dry Wt.) (mg/kg)} = \frac{C * V}{W * S} * DF$$

Where,

C = Concentration (mg/L)

V = Final sample volume in Liters (L) (0.1L)

W = Wet sample weight (kg) (0.001kg)

S = % solids/100

DF = Dilution Factor

000000001

SAMPLE LOG-IN SHEET

Lab Name A4 SCIENTIFIC, INC.				Page <u>1</u> of <u>2</u>	
Received By (Print Name) Larry Goodman				Log-in Date 11-9-07	
Received By (Signature) <i>[Signature]</i>					
Case Number 36948		Sample Delivery Group No. MH24A1			NRAS Number 2
Remarks:			Corresponding		
	EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal(s)	Present/Absent* Intact/Broken	MH24A1		8 242421	0008705 -01 Intact 1-21/12/07
2. Custody Seal Nos.	N/A	A2 11/12/07		8 309993	-02
3. Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*	A3		8 242425	-03
4. Airbill	Airbill/Sticker Present/Absent*	A4		8 242410	-04
5. Airbill No.	8639257533 N/A	A5		8 242417	-05
6. Sample Tags	Present/Absent*	A6		8 309997	-06
Sample Tag Numbers 23 11/12/07	Listed/Not Listed on Traffic Report/Chain of Custody Record	A7		8 242420	-07
7. Sample Condition	Intact/Broken*/Leaking	A8		8 309994	-08
8. Cooler Temperature Indicator Bottle	Present/Absent*	A9		8 242412	-09
9. Cooler Temperature	58	MH24B0		8 242413	-10
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree?	Yes/No*				
11. Date Received at Lab	11-9-07				
12. Time Received	9.43				
Sample Transfer					
Fraction MHS	Fraction				
Area # Cooler A	Area #				
By 23 11/9/07	By 23 11/12/07				
On 11/9/07	On 11/12/07				
* Contact SMO and attach record of resolution					
Reviewed By 23 11/12/07		Logbook No. NA		Logbook Page No. 1000000005	

SAMPLE LOG-IN SHEET

Lab Name A4 SCIENTIFIC, INC.				Page 2 of 2		
Received By (Print Name)				Log-in Date 11-9-07		
Received By (Signature) <i>Larry Goodson</i>						
Case Number 36948		Sample Delivery Group No. MH24CATAL ²³ 11/12/07		NRAS Number ~		
Remarks:		Corresponding				
		EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal(s) Present/Absent* Intact/Broken		MH24C1	NA	8309998	0008705 -11	Intact 1-2.4 lock B
2. Custody Seal Nos. N/A		C2		8250379	-12	
3. Traffic Reports/Chain of Custody Records or Packing Lists Present/Absent*		C3		8250388	-13	
4. Airbill Airbill/Sticker Present/Absent*		C4		8310000	-14	
5. Airbill No. 8039851503		C5		8250381	-15	
6. Sample Tags Present/Absent*		C6		8309999	-16	
Sample Tag Numbers ²³ 11/2/07 Listed/Not Listed on Traffic Report/Chain of Custody Record		C7		8242418	-17	
7. Sample Condition Intact/Broken*/Leaking		C8		8309996	-18	
8. Cooler Temperature Indicator Bottle Present/Absent*		C9		8250380	-19	
9. Cooler Temperature 50		MH24D0	7	8250391	-20	7 7
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? Yes/No*						
11. Date Received at Lab 11/9/07						
12. Time Received 9:43						
Sample Transfer						
Fraction MHS	Fraction					
Area # Goodson	Area #					
By JS	By				23 11/12/07	
On 11/9/07	On 11/12/07					

* Contact SMO and attach record of resolution

Reviewed By JS	Logbook No. NA
Date 11/12/07	Logbook Page No. 00000006

**SAMPLE DELIVERY GROUP (SDG)
COVER SHEET**

SDG Number: MH24A1

☒ ICP-AES Analysis

☐ ICP-MS Analysis

Laboratory Name: A4 SCIENTIFIC, INC.

Laboratory Code: A4

Contract No.: EPW06057

Case No.: 36948

Analysis Price: _____

SDG Turnaround: 21 days

Modified Analysis (if applicable):

Modification Reference No.: _____

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) MH24A1	7) MH24A7	13) MH24C3	19) MH24C9
2) MH24A2	8) MH24A8	14) MH24C4	20) MH24D0
3) MH24A3	9) MH24A9	15) MH24C5	21)
4) MH24A4	10) MH24B0	16) MH24C6	22)
5) MH24A5	11) MH24C1	17) MH24C7	23)
6) MH24A6	12) MH24C2	18) MH24C8	24)

MH24A1

First Sample in SDG

11/09/2007

First Sample Receipt Date

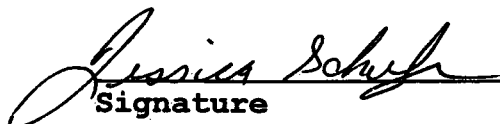
MH24D0

Last Sample in SDG

11/09/2007

Last Sample Receipt Date

Note: There are a maximum of 20 **field** samples [excluding Performance Evaluation (PE) Samples] in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).


Signature

11/9/07
Date



Cooler 6

**USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record**

Case No: 36948

DAS No:

SDG No: MH24A1

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>Ch Hayes</i>	For Lab Use Only Lab Contract No: EPW06057 Unit Price: 0 Transfer To: 2 Lab Contract No: 2 Unit Price:	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 Chris Hayes	11/6/07 8AM	Janna Simonsen		11/6/07
	2 Janna Simonsen	11/8/07 11AM			
	3				
4		J. Schulte	11/9/07 9:43		

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH24A1	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG151 (1)	UE01-49-0.5	S: 11/2/2007 11:50	0008705-01	Intact
MH24A2	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG152 (1)	UE01-50-0.5	S: 11/2/2007 9:25	- 02	
MH24A3	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG153 (1)	UE01-51A-0.5	S: 11/2/2007 8:55	- 03	
MH24A4	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG154 (1)	UE02-49-0.5	S: 11/2/2007 12:00	- 04	
MH24A5	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG155 (1)	UE02-50-0.5	S: 11/2/2007 9:40	- 05	
MH24A6	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG156 (1)	UE03-50-0.5	S: 11/2/2007 9:50	- 06	
MH24A7	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG157 (1)	UE04-44-0.5	S: 11/2/2007 8:25	- 07	
MH24A8	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG158 (1)	UE04-50-0.5	S: 11/2/2007 10:00	- 08	
MH24A9	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG159 (1)	UE04-RR-0.5	S: 11/2/2007 8:55	- 09	
MH24B0	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG160 (1)	UE05-44-0.5	S: 11/2/2007 8:20	- 010	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MH24A3, MH24B3	Additional Sampler Signature(s): <i>JS 11/9/07</i>	Cooler Temperature Upon Receipt: 5°C	Chain of Custody Seal Number: <i>JS 11/9/07</i>
Analysis Key: TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>

TR Number: 8-065602925-110707-0005

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602**LABORATORY COPY**

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**USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record**

Case No: 36948

DAS No:

SDG No:

MH24A1

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>CL</i>	For Lab Use Only
	Relinquished By	(Date / Time)	Received By	(Date / Time)
	1 <i>Christ Hayes</i>	<i>11/6/07 8AM</i>	<i>Janna Simonsen</i>	<i>11/6/07</i>
	2 <i>Janna Simonsen</i>	<i>11/8/07 11AM</i>		
	3			
	4		<i>J. Schulz 11/9/07 943</i>	
			Lab Contract No:	<i>EPW06057</i>
			Unit Price:	<i>0</i>
			Transfer To:	<i>2</i>
			Lab Contract No:	
			Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH24C1	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG171 (1)	UE13-50-0.5	S: 11/2/2007 12:15	0008705 -011	Intact
MH24C2	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG172 (1)	UE14-50-0.5	S: 11/2/2007 12:55	-012	
MH24C3	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG173 (1)	UE14-50-1.0	S: 11/2/2007 13:05	-013	
MH24C4	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG174 (1)	UE15-50-0.5	S: 11/2/2007 13:15	-014	
MH24C5	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG175 (1)	UE16-50-0.5	S: 11/2/2007 13:30	-015	
MH24C6	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG176 (1)	UE17-50-0.5	S: 11/2/2007 14:35	-016	
MH24C7	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG177 (1)	UE18-50-0.5	S: 11/2/2007 14:05	-017	
MH24C8	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG178 (1)	UE19-50-0.5	S: 11/2/2007 13:50	-018	
MH24C9	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG179 (1)	UE20-50-0.5	S: 11/2/2007 13:40	-019	
MH24D0	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG180 (1)	UE21-50-0.5	S: 11/2/2007 13:00	-020	Final sdg sp

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MH24A3, MH24B3	Additional Sampler Signature(s): <i>11/9/07</i>	Cooler Temperature Upon Receipt: 5°C	Chain of Custody Seal Number: <i>11/9/07</i>
Analysis Key: TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <i>11/9/07</i>	Shipment Iced? <i>11/9/07</i>

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